

DATA LIST / ACTIVE TEST

HINT:

By accessing the DATA LIST displayed on the intelligent tester, you can perform such functions as reading the values of switches and sensors without removing any parts. Reading the DATA LIST as the first step in troubleshooting is one method to shorten labor time.

1. DATA LIST FOR CENTER AIRBAG SENSOR ASSEMBLY

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to the ON position.
- (c) Turn the tester on.
- (d) Enter the following menus: DIAGNOSIS / OBD/ MOBD / SRS AIRBAG / DATA LIST.
- (e) Check the values by referring to the table below.

DATA LIST:

Tester Display	Measurement Item/Range	Normal Condition	Diagnostic Note
D SEAT POSITION	Seat position (Driver side)/ FORWARD: Seat position is forward BKWARD: Seat position is backward FAIL: Failure detected	FORWARD/BKWARD	-
PASSENGER CLASS	Passenger Classification/ NG: Data is not determined OFF: Vacant CHILD: Child (less than 36 kg (79.37 lb)) is seated AF05: Adult (36 to 54 kg (79.37 to 119.05 lb)) is seated AM50: Adult (more than 54 kg (119.05 lb)) is seated FAIL: A failure is detected	OFF/CHILD/AF05/AM50	-
D BUCKLE SW	Buckle switch (Driver side)/ UNSET: The seat belt is not fastened SET: The seat belt is fastened NG: Data is not determined	UNSET/SET	-
P BUCKLE SW	Buckle switch (Passenger side)/ UNSET: The seat belt is not fastened SET: The seat belt is fastened NG: Data is not determined	UNSET/SET	-
DISPLAY TYPE	Display type identification information/ LR: The display is indicated by LH/RH DP: The display is indicated by Driver/Passenger	DP	-
PAST CODES	Number of past trouble codes/ Min.: 0, Max.: 255	0	-

DIAGNOSTIC TROUBLE CODE CHART

If a trouble code is displayed during the DTC check, check the circuit listed for the code in the table below (refer to the appropriate page).

HINT:

- When the SRS warning light remains on and the DTC output is the normal system code, a voltage source drop is likely to occur. This malfunction is not stored in the memory by the center airbag sensor assembly. If the power source voltage returns to normal, the SRS warning light will automatically go off.
- When 2 or more codes are indicated, the code with the lower number appears first.
- If a code is not listed on the display chart, the center airbag sensor assembly may have failed.
- In the case of any malfunction concerning an open circuit, short to ground, or short to B+ due to a squib, other trouble codes may not be detected. In this case, repair the malfunction currently indicated and then perform malfunction diagnosis again.
- Mark in the check mode column:
*1: DTC is not corresponding to the check mode.
*2: DTC is corresponding to the check mode.
- DTC which has the mark of the *3 is output only the equipped car of side and curtain shield airbag.
- When DTC B1650/32 is detected as a result of troubleshooting for AIRBAG SYSTEM, perform troubleshooting for the OCCUPANT CLASSIFICATION SYSTEM as shown in the chart below.

AIRBAG SYSTEM:

DTC Code	Detection Item	Trouble Area	Check Mode	See page
B1000/31	Center Airbag Sensor Assembly Malfunction	Center airbag sensor assembly	*1	RS-42
B1610/13	Front Airbag Sensor RH Circuit Malfunction	1. Instrument panel wire 2. Engine room main wire 3. Front airbag sensor RH 4. Center airbag sensor assembly	*1	RS-43
B1615/14	Front Airbag Sensor LH Circuit Malfunction	1. Instrument panel wire 2. Engine room main wire 3. Front airbag sensor LH 4. Center airbag sensor assembly	*1	RS-52
B1620/21 (*3)	Driver Side - Side Airbag Sensor Circuit Malfunction	1. Floor wire 2. Driver side rear airbag sensor 3. Driver side - side airbag sensor 4. Center airbag sensor assembly	*1	RS-61
B1625/22 (*3)	Front Passenger Side - Side Airbag Sensor Circuit Malfunction	1. Floor wire 2. Front passenger side rear airbag sensor 3. Front passenger side - side airbag sensor 4. Center airbag sensor assembly	*1	RS-69
B1630/23 (*3)	Driver Side Rear Airbag Sensor Circuit Malfunction	1. Floor wire 2. Driver side - side airbag sensor 3. Driver side rear airbag sensor 4. Center airbag sensor assembly	*1	RS-78
B1635/24 (*3)	Front Passenger Side Rear Airbag Sensor Circuit Malfunction	1. Floor wire 2. Front passenger side - side airbag sensor 3. Front passenger side rear airbag sensor 4. Center airbag sensor assembly	*1	RS-82

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DTC Code	Detection Item	Trouble Area	Check Mode	See page
B1650/32	Occupant Classification System Malfunction	1. Occupant classification system 2. Floor wire (*4) 3. Instrument panel wire No. 3 (*5) 4. Center airbag sensor assembly	*1	RS-87
B1653/35	Seat Position Airbag Sensor Circuit Malfunction	1. Floor wire (*4) 2. Instrument panel wire No. 3 (*5) 3. Seat position airbag sensor 4. Center airbag sensor assembly	*1	RS-92
B1655/37	Driver Side Seat Belt Buckle Switch Circuit Malfunction	1. Floor wire (*4) 2. Instrument panel wire No. 3 (*5) 3. Front seat inner belt assembly LH 4. Center airbag sensor assembly	*1	RS-102
B1660/43	Passenger Airbag ON / OFF Indicator Circuit Malfunction	1. Instrument panel wire 2. Clock assembly 3. Center airbag sensor assembly	*1	RS-108
B1800/51	Short in Driver Side Squib Circuit	1. Instrument panel wire 2. Spiral cable 3. Steering pad (Driver side squib) 4. Center airbag sensor assembly	*2	RS-116
B1801/51	Open in Driver Side Squib Circuit	Same as DTC No. B1800/51	*2	RS-116
B1802/51	Short to GND in Driver Side Squib Circuit	Same as DTC No. B1800/51	*2	RS-116
B1803/51	Short to B+ in Driver Side Squib Circuit	Same as DTC No. B1800/51	*2	RS-116
B1805/52	Short in Front Passenger Side Squib Circuit	1. Instrument panel wire 2. Front passenger airbag assembly (Front passenger side squib) 3. Center airbag sensor assembly	*2	RS-123
B1806/52	Open in Front Passenger Side Squib Circuit	Same as DTC No. B1805/52	*2	RS-123
B1807/52	Short to GND in Front Passenger Side Squib Circuit	Same as DTC No. B1805/52	*2	RS-123
B1808/52	Short to B+ in Front Passenger Side Squib Circuit	Same as DTC No. B1805/52	*2	RS-123
B1810/53	Short in Driver Side Squib 2nd Step Circuit	1. Instrument panel wire 2. Spiral cable 3. Steering pad (Driver side squib 2nd step) 4. Center airbag sensor assembly	*2	RS-128
B1811/53	Open in Driver Side Squib 2nd Step Circuit	Same as DTC No. B1810/53	*2	RS-128
B1812/53	Short to GND in Driver Side Squib 2nd Step Circuit	Same as DTC No. B1810/53	*2	RS-128
B1813/53	Short to B+ in Driver Side Squib 2nd Step Circuit	Same as DTC No. B1810/53	*2	RS-128
B1815/54	Short in Front Passenger Side Squib 2nd Step Circuit	1. Instrument panel wire 2. Front passenger airbag assembly (Front passenger side squib 2nd step) 3. Center airbag sensor assembly	*2	RS-135
B1816/54	Open in Front Passenger Side Squib 2nd Step Circuit	Same as DTC No. B1815/54	*2	RS-135
B1817/54	Short to GND in Front Passenger Side Squib 2nd Step Circuit	Same as DTC No. B1815/54	*2	RS-135
B1818/54	Short to B+ in Front Passenger Side Squib 2nd Step Circuit	Same as DTC No. B1815/54	*2	RS-135
B1820/55 (*3)	Short in Front Driver Side - Side Squib Circuit	1. Floor wire 2. Front seat side airbag assembly LH (Driver side - side squib) 3. Center airbag sensor assembly	*2	RS-140
B1821/55 (*3)	Open in Front Driver Side - Side Squib Circuit	Same as DTC No. B1820/55	*2	RS-140
B1822/55 (*3)	Short to GND in Front Driver Side - Side Squib Circuit	Same as DTC No. B1820/55	*2	RS-140
B1823/55 (*3)	Short to B+ in Front Driver Side - Side Squib Circuit	Same as DTC No. B1820/55	*2	RS-140

DTC Code	Detection Item	Trouble Area	Check Mode	See page
B1825/56 (*3)	Short in Front Passenger Side - Side Squib Circuit	1. Floor wire 2. Front seat side airbag assembly RH (Front passenger side - side squib) 3. Center airbag sensor assembly	*2	RS-145
B1826/56 (*3)	Open in Front Passenger Side - Side Squib Circuit	Same as DTC No. B1825/56	*2	RS-145
B1827/56 (*3)	Short to GND in Front Passenger Side - Side Squib Circuit	Same as DTC No. B1825/56	*2	RS-145
B1828/56 (*3)	Short to B+ in Front Passenger Side - Side Squib Circuit	Same as DTC No. B1825/56	*2	RS-145
B1830/57 (*3)	Short in Driver Side Curtain Shield Squib Circuit	1. Floor wire 2. Curtain shield airbag assembly LH (Driver side curtain shield squib) 3. Center airbag sensor assembly	*2	RS-150
B1831/57 (*3)	Open in Driver Side Curtain Shield Squib Circuit	Same as DTC No. B1830/57	*2	RS-150
B1832/57 (*3)	Short to GND in Driver Side Curtain Shield Squib Circuit	Same as DTC No. B1830/57	*2	RS-150
B1833/57 (*3)	Short to B+ in Driver Side Curtain Shield Squib Circuit	Same as DTC No. B1830/57	*2	RS-150
B1835/58 (*3)	Short in Front Passenger Side Curtain Shield Squib Circuit	1. Floor wire 2. Curtain shield airbag assembly RH (Front passenger side curtain shield squib) 3. Center airbag sensor assembly	*2	RS-155
B1836/58 (*3)	Open in Front Passenger Side Curtain Shield Squib Circuit	Same as DTC No. B1835/58	*2	RS-155
B1837/58 (*3)	Short to GND in Front Passenger Side Curtain Shield Squib Circuit	Same as DTC No. B1835/58	*2	RS-155
B1838/58 (*3)	Short to B+ in Front Passenger Side Curtain Shield Squib Circuit	Same as DTC No. B1835/58	*2	RS-155
B1900/73	Short in Front Driver Side Pretensioner Squib Circuit	1. Floor wire (*4) 2. Instrument panel wire No. 3 (*5) 3. Front seat outer belt assembly LH (Driver side front pretensioner squib) 4. Center airbag sensor assembly	*2	RS-160
B1901/73	Open in Front Driver Side Pretensioner Squib Circuit	Same as DTC No. B1900/73	*2	RS-160
B1902/73	Short to GND in Front Driver Side Pretensioner Squib Circuit	Same as DTC No. B1900/73	*2	RS-160
B1903/73	Short to B+ in Front Driver Side Pretensioner Squib Circuit	Same as DTC No. B1900/73	*2	RS-160
B1905/74	Short in Front Passenger Side Pretensioner Squib Circuit	1. Floor wire (*4) 2. Instrument panel wire No. 3 (*5) 3. Front seat outer belt assembly RH (Front passenger side front pretensioner squib) 4. Center airbag sensor assembly	*2	RS-166
B1906/74	Open in Front Passenger Side Pretensioner Squib Circuit	Same as DTC No. B1905/74	*2	RS-166
B1907/74	Short to GND in Front Passenger Side Pretensioner Squib Circuit	Same as DTC No. B1905/74	*2	RS-166
B1908/74	Short to B+ in Front Passenger Side Front Pretensioner Squib Circuit	Same as DTC No. B1905/74	*2	RS-166

*4: with Side and curtain shield airbag

*5: without Side and curtain shield airbag

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